Vestil Manufacturing Company
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Revised 06-04 **21-126-104**

A company dedicated to solving ergonomic and material handling problems since 1955.

Ergonomic Solutions

OWNER'S MANUAL

ALUMINUM QUICK LIFTS
MODEL PEL-88A & PEL-100A
STEEL QUICK LIFTS
MODEL PEL-88, PEL-100 & PEL-400

CONTENTS

Warning and Safety Instructions 1
Receiving Instructions 1
Loading Instructions 2
Operating Instructions 2
Electrical Diagram 3
Troubleshooting Guide 4
Parts for PEL-88A & PEL-100A 5
Warning Labels for PEL-88A & PEL-100A 6
Chain Tension Adjustment for PEL-88 7
Parts for PEL-88 & PEL-100 8-9
Warning Labels for PEL-88 & PEL-100 10
Chain Tension Adjustment for PEL-400 11
Parts for PEL-400 12-13
Warning Labels for PEL-400 14
Limited Warranty 15

ENGLISH

WARNINGS & SAFETY INSTRUCTIONS

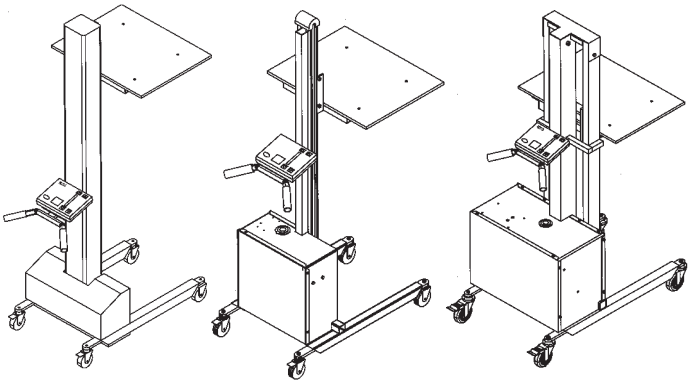
Read owner's manual completely before operating unit!

- Never go under deck if there is load on unit.
- Never operate unit unless you are watching it.
- Stand clear from load when operating.
- Do not operate unit unless all cover plates are securely in place.
- Do not continue to press the up-button if deck is not raising.
- Never exceed the maximum loading capacity
  model PEL-88A & PEL-88 ..... 175 lbs.
  model PEL-100A & PEL-100 ..... 125 lbs.
  model PEL-400-57 & PEL-400-72 ..... 400 lbs.
- Load must be evenly distributed on deck to ensure stability.
- Consult factory for uneven loading.
- Always operate unit on a level surface to ensure stability.
- Always apply wheel brakes when unit is not being moved.
- Use caution in moving a loaded unit; avoid obstructions and floor defects.
- Remove load & disconnect power before working on unit.
- Consult factory if adding or performing any modifications to the original equipment.
- Use only maintenance parts supplied or approved by the manufacturer.
- Make sure all operator safety labels are in place.

RECEIVING INSTRUCTIONS

Every unit is thoroughly tested and inspected prior to shipment. However, it is possible that the unit may incur damage during transit. If you see damage when unloading make a note of it on the SHIPPER RECEIVER.
Remove all packing and strapping material, inspect for damage. IF DAMAGE IS EVIDENT, FILE A CLAIM WITH THE CARRIER IMMEDIATELY! Also, check the unit size, type of power unit, etc., to ensure the unit is correct for the intended application.

ESPANOL



PEL-88A
PEL-100A

PEL-88
PEL-100

PEL-400-57
PEL-400-72

FRANÇAIS

ALUMINUM & STEEL
QUICK LIFTS

LOADING INSTRUCTIONS

The load capacity rating as inscribed on the nameplate of your unit designates the net capacity, assuming the load is centered on the deck. This capacity must never be exceeded, as permanent damage or injury may result.

OPERATING INSTRUCTIONS

Position of the deck is controlled by the raise/lower buttons on the touchpad. Speed is controlled from touchpad. A hand-held pendent control is optional.

BATTERY RECHARGING & CARE

The battery is completely sealed and is, therefore, maintenance-free and drip proof.

The on-board charger operates on 115VAC and requires a 3-wire (grounded) extension cord. It monitors and reacts to the battery voltage, turning on the green LED on top of the charger when the batteries are fully charged.
A fully charged battery in good condition should read 12.65 volts. Wait at least 1/2 hour after the charger has been turned off before checking the battery voltage.

Charge the batteries for at least four hours prior to first use. The charge interval of this unit will vary based on the load and frequency of use. Since the majority of applications require less than the maximum capacity and only intermittent use the actual time between charging will only be found through experience. Also, the batteries should be fully recharged each time. This will increase the battery life.

- Charge unit at least once every two weeks.
- Leave plugged in when not in used. Disconnect battery when storing the unit without power for more than one month.
- The battery charger can be connected for extended periods without damage to the batteries.
- Do not expose the lift or charger to rain or adverse conditions.

RESPONSIBILITIES OF OWNERS/USERS

It is the responsibility of the owner/user for the following:

1) The unit must be inspected and maintained in accordance with the guidelines in this manual.

2) Any unit not in safe operating condition must be removed from service until it is returned to proper operating condition. All repairs and maintenance must be performed by qualified personnel.

3) Unit may only be used by authorized personnel. All operators must have read and understood all operating procedures and safety guidelines in this Owner's Manual.

4) Operator must ensure that all safety features of the unit are functioning properly before each use.

PERIODIC MAINTENANCE INSTRUCTIONS

BE SURE ALL POWER IS OFF BEFORE ATTEMPTING TO WORK ON THIS EQUIPMENT!
CAUTION: SERVICE WORK SHOULD BE PERFORMED ONLY BY TRAINED & QUALIFIED PERSONNEL

Before Each Use Check For The Following:

1) Structural deformation of frame.
2) Proper operation of casters.
3) Unusual noise or binding.
4) Signs of wear, fatigue or loosening of any moving parts and contact areas.
5) Check chain tension and adjust if applicable (see chain tension adjustment section).

WARNING!
Over tensioning of the chain can cause potential damage and/or injury.

6) Wear on the chain roller bushings.
7) Cover plates being securely in place.

DO NOT use if there are any of the above!

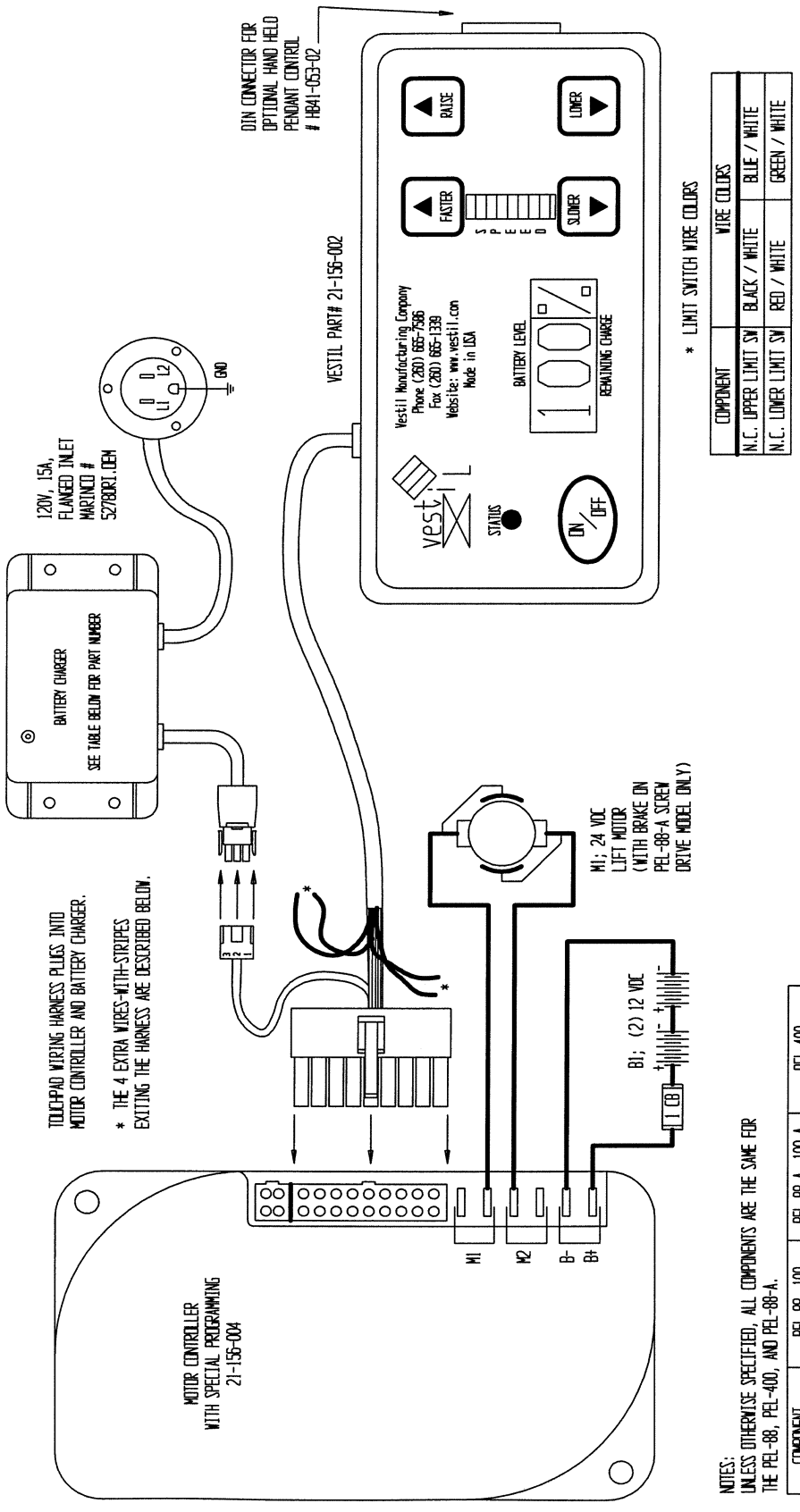
Monthly Inspections

1) Check for frayed or loose wires.
2) Clean off dirt and debris at all contact areas.
3) Make sure all warning and safety labels are in place and in good condition.
4) Battery Condition

Ordering Replacement or Extra Parts

Our company takes pride in using the finest available parts for our equipment. We are not responsible for equipment failure resulting from the use of unapproved replacement parts. To order replacement or extra parts for your equipment contact Customer Service at the factory. In any correspondence with the factory please include the Serial Number which is inscribed on the nameplate of the piece of equipment. Use only the part numbers provided in this Owner's Manual.

ELECTRICAL DIAGRAM
FOR ALUMINUM & STEEL QUICKLIFTS



NOTES:
UNLESS OTHERWISE SPECIFIED, ALL COMPONENTS ARE THE SAME FOR
THE PEL-88, PEL-400, AND PEL-88-A.

COMPONENT	PEL 88, 100	PEL 88 A, 100 A	PEL 400
MOTOR	21-641-001	21-641-003, -004	21-641-002
BATTERIES; B1	21-139-001	21-139-001	21-139-002
1 CB	21-034-006	21-034-006	21-034-004
CHARGER	21-034-002	21-034-002	21-034-007
ILS; ROLLER ARM	NONE	NONE	01-022-001
PART NO.	21-124-019	21-124-032	21-124-020

ENGLISH

TROUBLESHOOTING QUICK REFERENCE GUIDE FOR STEEL QUICKLIFTS

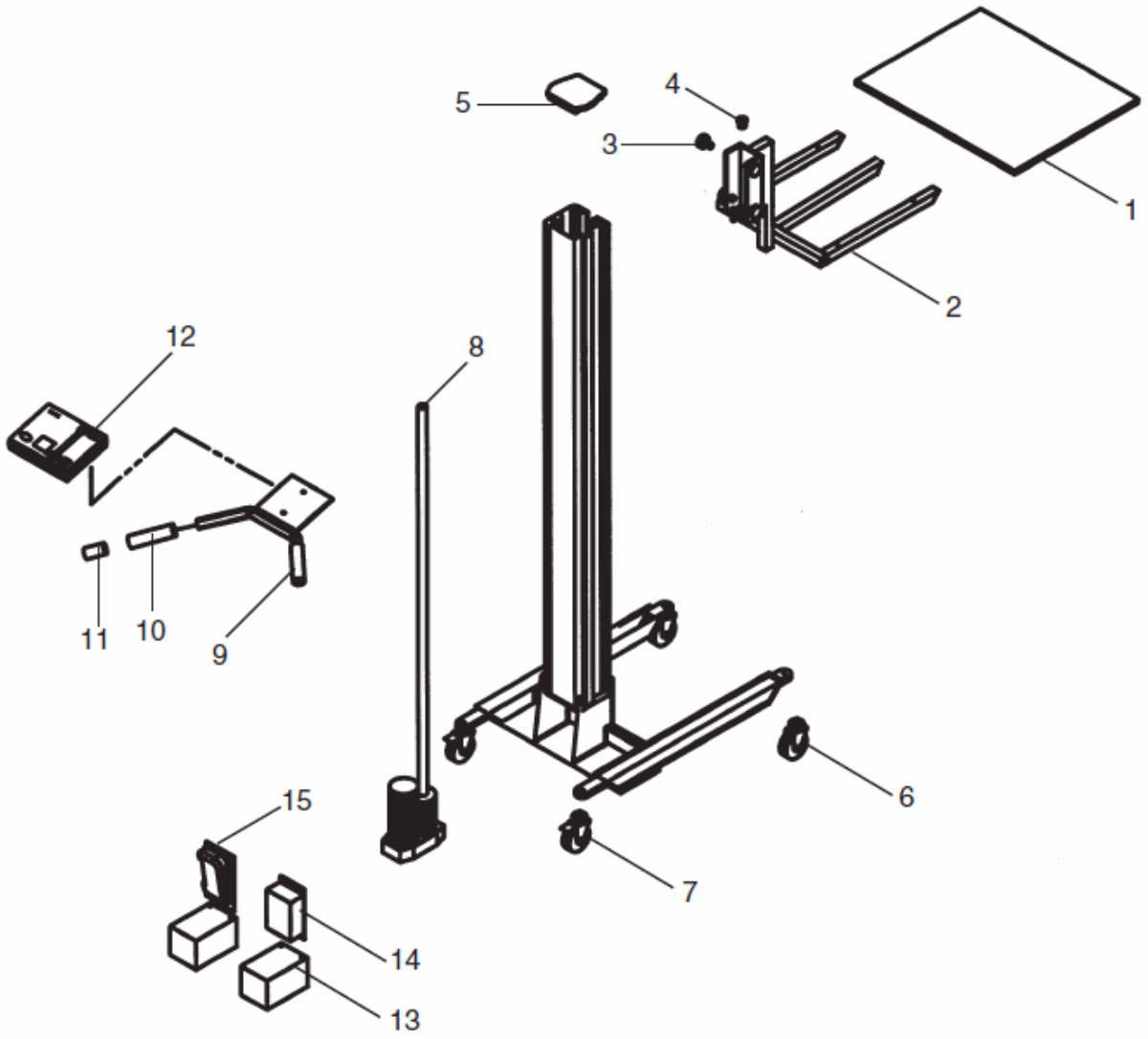
BE SURE ALL POWER IS OFF AND ALWAYS UNLOAD LIFT BEFORE ATTEMPTING TO WORK ON THIS EQUIPMENT!

CAUTION: SERVICE WORK SHOULD BE PERFORMED ONLY BY TRAINED & QUALIFIED PERSONNEL

Observation	Possible Cause	Remedy
1.) Power unit does not run when control is operated.	a. Battery voltage low. (< 17) (LED flashes • ••••)	a. Charge battery.
	b. Bad wiring connection / broken wire in circuit.	b. Visually inspect wires, do continuity checks with meter. Refer to electrical diagram.
	c. Hand control's plug loose in the touchpad socket.	c. Push plug in place.
	d. Problem with moror/control (check for LED flashes code on the touchpad).	d. Consult diagnostics page.
	e. Unit is plugged into a 115V circuit.	e. Unplug cord.
	f. CB or Fuse Blown	f. Reset CB. Replace fuse.
2.) Motor hums, platform would not move.	a. Battery voltage low.	a. Charge battery.
	b. Platform overloaded.	b. Check load; reduce if necessary.
	*c. Chain/Master link broken.	c. Inspect chain, rollers, roller track, and pulley assembly.
	d. Obstruction/jammed chain.	d. Clear Obstruction.
3.) Unit turns off before reaching the fully raised or lowered height.	a. Battery voltage low.	a. Charge battery.
	b. Platform roller bearing obstructed or is binding.	b. Inspect roller track for interference or damage.
	c. The "platform raised" limit switch is engaged too soon, or is bad (PEL-400 only).	c. Adjust the limit switch pulley spring's tension; test switch with meter.
	d. Platform overloaded.	d. Check load; reduce if necessary.
4.) Over/under temp cutback. (LED flashes • •)	a. Temperature > 92°C or < -25°C.	a. Check load; reduce if necessary.
5.) Pot high or low signal out of range. (LED flashes • •• or ••• • or ••• •••••)	a. Throttle input wire open or shorted. b. Throttle pot defective.	a. Verify wiring not damaged. b. Consult factory.
6.) Speed limit pot fault. (LED flashes • •••)	a. Speed limit pot wire(s) broken or shorted. b. Broken speed limit potentiometer.	a. Verify wiring if not damaged. b. Consult factory.
7.) Precharge Fault (LED ••• •••)	a. Controller failure; low battery voltage.	a. Charge battery.
8.) Current sense voltage fault (LED •••• ••)	a. Short in motor or in motor wiring. b. Controller failure.	a. Verify motor wiring. b. Consult factory.
9) Motor Clicks	a. Overloaded deck.	

NOTE: TOUCHPAD IS NOT SERVICEABLE.
DO NOT OPEN TOUCHPAD OR WARRANTY WILL BE VOID!!!

PARTS DRAWING FOR ALUMINUM QUICK LIFT
MODEL PEL-88A & PEL-100A



PARTS IDENTIFICATION FOR ALUMINUM QUICK LIFT
MODEL PEL-88A & PEL-100A

ITEM NO.	DESCRIPTION	ENGINEER NO.	QTY
1	Deck - 24"W x 20" L	21-013-064	1
2	Deck Assembly	42-513-002	1
3	Delrin 1.36in. x 0.375in. aluminum roller assembly	**42-527-001**	4
4	Nut, Threaded ACME (PEL-88A)	42-145-001	1
5	Cover, Top Mast	42-024-002	1
6	Caster, w/out Brake	16-132-070	2
7	Caster, Swivel with Brake	16-132-071	2
8	Drive Assembly (screw drive) (PEL-88A)	21-641-003	1
8	Drive Assembly (screw drive) (PEL-100A)	21-641-004	1
9	Handle Assembly	42-525-001	1
10	Handle Grip	15-025-006	2
11	Handle End Cap	n/a	2
12	Controller, Touchpad	21-156-002	1
13	Battery (12V each)	21-139-001	2
14	Battery Charger (24V 3 amp)	21-034-002	1
15	Controller, Motor	21-156-004	1
*16	Cover Power Unit	42-024-001	1

* Not Shown in Diagram

WARNING LABEL IDENTIFICATION
For Aluminum Quick Lift • Model PEL-88A & PEL-100A

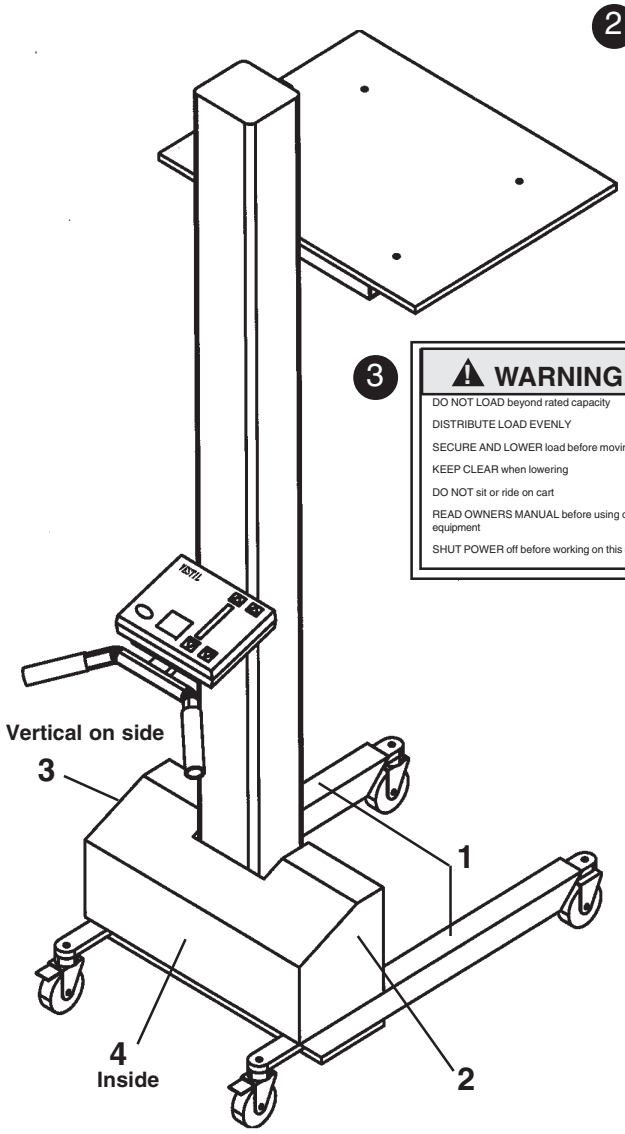
MAKE SURE ALL WARNING LABELS ARE IN PLACE!

***Product safety signs or labels should be periodically inspected and cleaned by the product users as necessary to maintain good legibility for safe viewing distance ... ANSI 535.4 (10.21)**
Contact manufacturer for replacement labels.

1

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR WHEN IN USE	MANTENGASE ALEJADO CUANDO SE ESTA OPERANDO	SE TENIR À DISTANCE LORS DU FONCTIONNEMENT

220



2

Charge unit at least every two weeks or leave plugged in when not in use. Disconnect battery when storing unit without power for more than one month.

Cargue la unidad por lo menos cada dos semanas o enchupelo cuando no en uso. Desconecte la batería al salvar la unidad sin carga por más de un mes.

Charger l'unité au moins deux fois par semaine ou laiser branché lorsque la batterie lorsque l'unité est rangée et ne va pas fonctionner pendant plus d'un mois.

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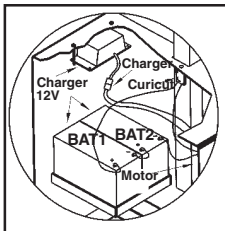
454

3

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
DO NOT LOAD beyond rated capacity	NO CARGUE más allá de la capacidad tasada	NE PAS CHARGER au-delà de capacité
DISTRIBUTE LOAD EVENLY	DISTRIBUYA LA CARGA UNIFORMEMENTE	DISTRIBUER la charge régulièrement
SECURE AND LOWER load before moving	ASEGURE Y DESCIENDA la carga antes de mover	BIEN FIXER ET FAIRE DESCENDRE la charge avant de faire un mouvement
KEEP CLEAR when lowering	MANTENGASE ALEJADO cuando descienda	VOUS DEGAGER quand la charge descend
DO NOT sit or ride on cart	NO SE SIENTE o vaya en el carro	NE PAS VOUS ASSEOIR OU VOUS PROMENER sur le chariot
READ OWNERS MANUAL before using or working on this equipment	LEA EL MANUAL DEL PROPIETARIO antes de usar o trabajar en este equipo	LIRE LE GUIDE avant d'utiliser ou de travailler sur cet équipment
SHUT POWER off before working on this equipment	Apage el equipo antes de trabajar en èl	COUPER L'ALIMENTATION avant de faire des travaux sur cet équipement

589

4



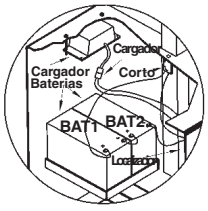
PEL BATTERY CONNECTIONS

The red wire (from T1 on the motor controller) connects to one side of the circuit breaker. The other side of the circuit breaker connects to the positive (+) post (red) on BAT1.

The short jumper wire connects between the BAT1 negative (-) post (black) and BAT2 positive (+) post (red).

The unfused black wire (from T2 on the controller) connects to the negative (-) post (black) on BAT2.

The charger plugs into the quick-connect harness located on the end of the touchpad harness.



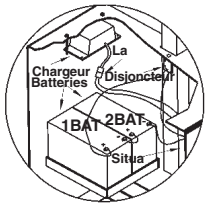
CONEXIONES DE LA BATERIA PEL

El alambre rojo (del T1 en el control del motor) se conecta a un lado del corto circuito. El otro lado del corto circuito se conecta al poste (rojo) positivo (+) en BAT1.

El alambre de salto corto se conecta entre el poste (negro) BAT1 negativo (-) y el poste (rojo) BAT2 positivo (+).

El alambre negro sin fusible (del T2 en el control) se conecta al poste (negro) negativo (-) en el BAT2.

El cargador se enchufa en el equipo de conexión rápida localizado en el extremo del equipo del telclado.



CONNEXIONS DE BATTERIE PEL

Le fil rouge (de T1 sur le contrôleur du moteur) connecte à un côté du disjoncteur. L'autre côté du disjoncteur connecte à l'anode (borne positive) - rouge - de BAT1.

Le fil de liaison court connecte entre la cathode BAT1 (négative) - noir - et l'anode BAT2 (positive) - rouge.

Le fil noir sans fusible (de T2 sur le régulateur de charge) connecte à la borne négative (noir) de BAT2.

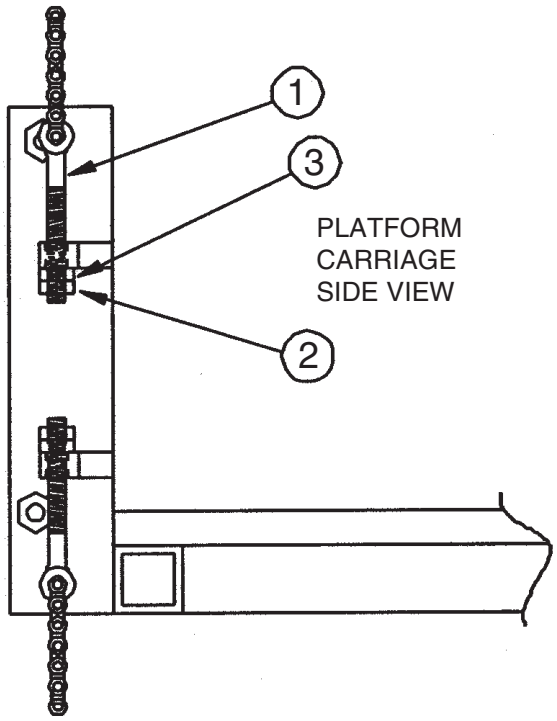
Le chargeur de batterie branche à la distribution électrique de la prise de courant située sur le bout de la touche à effleurement.

399

INSTRUCTIONS FOR ADJUSTING THE LIFTING CHAINS TENSION FOR STEEL QUICKLIFT • MODEL PEL-88

READ ALL INSTRUCTIONS BEFORE PROCEEDING!
Only trained and qualified service personnel should work on this equipment!
Lock out all potential energy sources before attempting this installation!

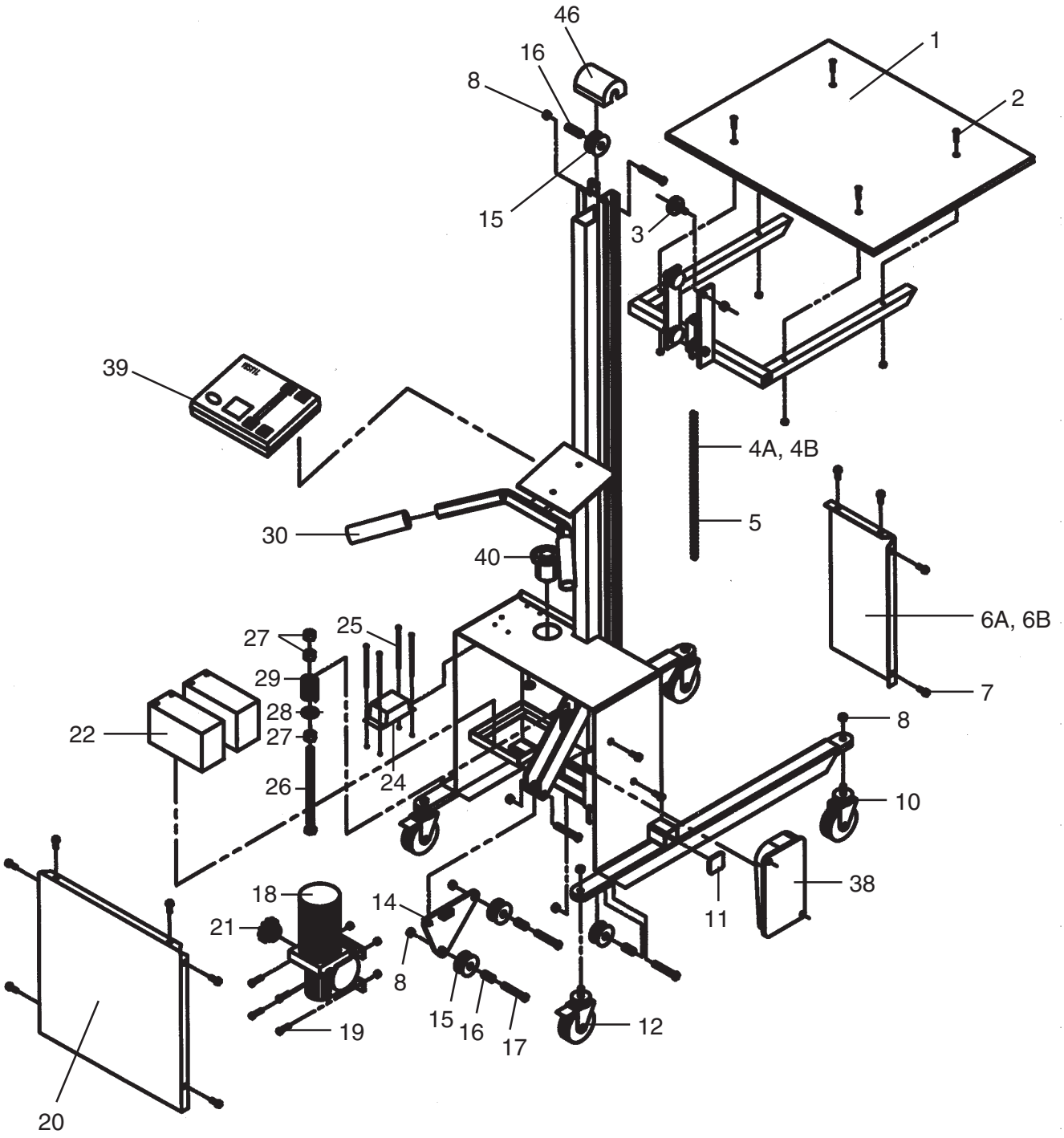
1) Remove any load that is on the machine and run the platform up until it is raised halfway up the mast.
2) Above the platform, locate the tensioning bolts (item 1; one at each end of the chain). Loosen the two jamb nuts (item 2) by turning them in a counterclockwise direction. (Use a 7/16" wrench on the nut, and another 7/16" wrench to keep the chain from turning.) Loosen each until it is at the end of its respective chain tension bolt.
3) Run the platform all the way up to the top of the mast until it stops moving.
4) Again using the 7/16" wrenches, turn the tensioning nuts (item 3) at each end of the chain until you can pull the chain 3" away from the front of the mast at its midheight. Be sure to turn each nut about the same amount.
5) Lower the platform to the bottom of the mast, holding the "Lower" pushbutton for two seconds after the platform hits bottom. If the chain "jumps" ont he sprocket, raise the platform up again. Tighten one of the tensioning nuts another 1/2 turn (clockwise) and repeat the test.
6) Raise the platform back up halfway to the top of the mast and turn each of the jamb nuts until they are against the tensioning nuts; then tighten each one wrench-tight.



CAUTIONS:
- Double-check that both of the holding nuts have been adequately tightened down before placing the machine back into service.

NOTES:
- The chain's tension, the tension bolts, and the adjustment nuts should all be checked monthly.

PARTS DRAWING FOR STEEL QUICK LIFT
MODEL PEL-88 & PEL-100



PARTS IDENTIFICATION FOR STEEL QUICK LIFT
MODEL PEL-88 & PEL-100

ITEM NO.	DESCRIPTION	ENGINEER NO.	PART NO.	QTY
1	Deck 24"W x 19"L	21-013-057	PEL-DCK	1
2	Screw & nylock nut,	n/a	n/a	-
3	Roller w/nylock nut, 5/16"-18UNC	20-110-008	PEL-RNYKNT	4
4A	Chain, no.35 x 127" lg (PEL-88)	21-042-012	PEL-CHN127	1
4B	Chain no. 35 x 157" lg (PEL-100)	21-042-013	PEL-CHN157	1
5	Chain Connecting Link 41-1/2" pitch - 1/4 width	21-042-014	PEL-CC	1
6A	Front Cover (left side)	21-024-013	PEL-FCLS	1
6B	Front cover (right side)	21-024-014	PEL-FCRS	1
7	Screw, 1/4"-20UNC x 3/4" (Type F, HWH)	n/a	n/a	-
8	Nylock nut, 3/8"-16UNC	n/a	n/a	-
10	Caster w/o brake	16-132-070	PEL-CSTR	2
11	Plastic cap	21-024-016	PEL-PC	2
12	Caster w/Brake (3 x 1-1/2)	16-132-071	PEL-CSTBRK	2
*13	Screw, 3/8-16 unc x 5/8 (FHSCS)	n/a	n/a	-
14	Pulley bracket	21-016-050	PEL-PLYBRK	1
15	Chain Roller (plastic)	21-042-020	PEL-CHRLR	4
16	Roller Bearing	21-113-027	PEL-RLRBR	4
17	Bolt 3/8-16 unc x 1-3/4" (HHCS)	n/a	n/a	-
18	Motor (Leeson)	21-641-001	PEL-MTR	1
19	Bolt & Nylock Nut 1/4-20 unc x 1-1/4	n/a	n/a	-
20	Back Cover	21-024-012	PEL-BC	1
21	Sprocket 5/8" bore w/keyway & set screw	21-042-015	PEL-SKT5/8	1
22	Battery	21-139-001	PEL-BATT	2
24	Battery Charger	21-034-002	PEL-BATTCHR	1
25	Bolt & Nylock Nut & Washer - 1/8-27 unc x 4 (HHCS)	n/a	n/a	-
26	Spring Rod Bolt 1/2-13 unc x 8	n/a	n/a	-
27	Spring Rod Nut 1/2-13 unc	n/a	n/a	-
28	Washer 1/2 x 1-1/2 Fender Washer 2 plated	n/a	n/a	-
29	Spring	21-146-004	PEL-SPG	1
30	Handle Grip	15-025-006	PEL-HG	2
*31	Hand Control w/Coil Cord (optional)	99-522-001	PEL-CNTL	1
*35	Bolt 3/8-16 unc x 2-1/4 (HHCS)	n/a	n/a	-
*37	Circuit Breaker	21-034-006		1
38	Motor Controller	21-156-004	PEL-MTRCNTL	1
39	Touchpad	21-156-002	PEL-TCHPD	1
40	Power Inlet, 115V w/ 1-1/2" Nut	21-034-005	PEL4-PINLT	-
*42	Bolt Control Mt. 8-32 unc x 1	n/a	n/a	-
*44	Bolts, Chain Adjusting 1/4-20 x 2 eyebolt	n/a	n/a	-
*45	Nuts, Chain Adjusting Bolt 1/4-20	n/a	n/a	-
46	Chain Cover	21-524-001	PEL-CHNCVR	1
*47	Chain Cover Retaining Bolts (400 series only)			
*48	Bolt (400 series only)			
*49	Nut 8-32 unc	n/a	n/a	
*50	Washer (400 series only)			
*51	Nuts, Motor Controller 8-32 unc	n/a	n/a	

* Not Shown in Diagram

WARNING LABEL IDENTIFICATION
For Steel Quick Lift • Model PEL-88 & PEL-100

MAKE SURE ALL WARNING LABELS ARE IN PLACE!

1

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR WHEN IN USE	MANTENGASE ALEJADO CUANDO SE ESTA OPERANDO	SE TENIR À DISTANCE LORS DU FONCTIONNEMENT

***Product safety signs or labels should be periodically inspected and cleaned by the product users as necessary to maintain good legibility for safe viewing distance ... ANSI 535.4 (10.21)**
Contact manufacturer for replacement labels.

2

Charge unit at least every two weeks or leave plugged in when not in use. Disconnect battery when storing unit without power for more than one month.

Cargue la unidad por lo menos cada dos semanas o enchupelo cuando no en uso. Desconecte la batería al salvar la unidad sin carga por más de un mes.

Charger l'unité au moins deux fois par semaine ou laiser branché lorsque la batterie lorsque l'unité est rangée et ne va pas fonctionner pendant plus d'un mois.

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3

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
DO NOT LOAD beyond rated capacity	NO CARGUE más allá de la capacidad tasada	NE PAS CHARGER au-delà de capacité
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SECURE AND LOWER load before moving	ASEGURE Y DESCIENDA la carga antes de mover	BIEN FIXER ET FAIRE DESCENDRE la charge avant de faire un mouvement
KEEP CLEAR when lowering	MANTENGASE ALEJADO cuando descienda	VOUS DEGAGER quand la charge descend
DO NOT sit or ride on cart	NO SE SIENTE o vaya en el carro	NE PAS VOUS ASSEOIR OU VOUS PROMENER sur le chariot
READ OWNERS MANUAL before using or working on this equipment	LEA EL MANUAL DEL PROPIETARIO antes de usar o trabajar en este equipo	LIRE LE GUIDE avant d'utiliser ou de travailler sur cet équipment
SHUT POWER off before working on this equipment	Apage el equipo antes de trabajar en èl	COUPER L'ALIMENTATION avant de faire des travaux sur cet équipement

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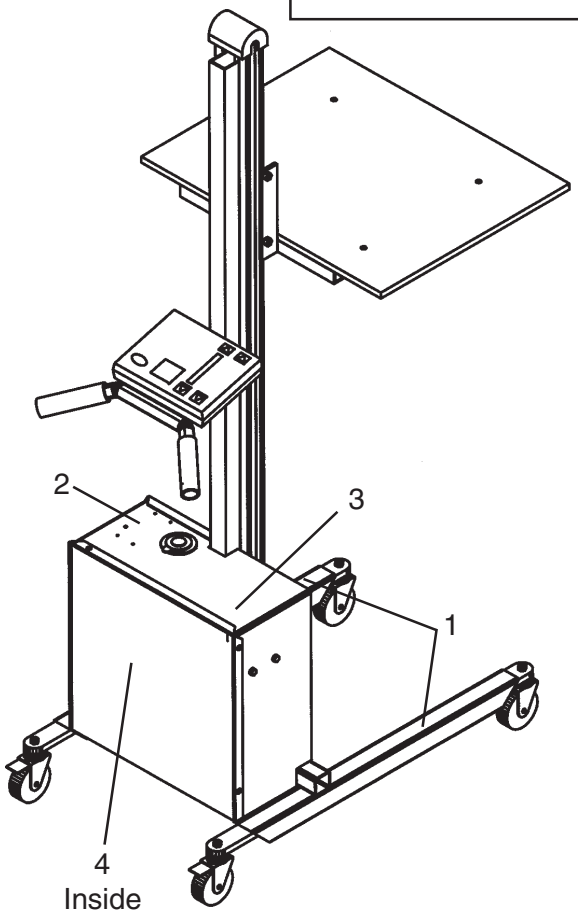

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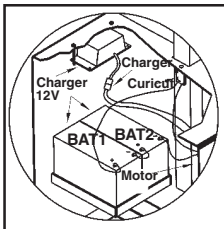


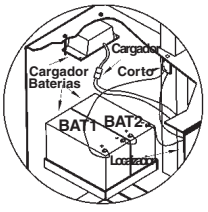
PEL BATTERY CONNECTIONS

The red wire (from T1 on the motor controller) connects to one side of the circuit breaker. The other side of the circuit breaker connects to the positive (+) post (red) on BAT1.

The short jumper wire connects between the BAT1 negative (-) post (black) and BAT2 positive (+) post (red).

The unfused black wire (from T2 on the controller) connects to the negative (-) post (black) on BAT2.

The charger plugs into the quick-connect harness located on the end of the touchpad harness.



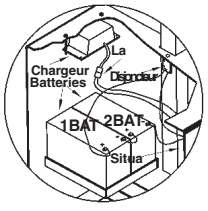
CONEXIONES DE LA BATERIA PEL

El alambre rojo (del T1 en el control del motor) se conecta a un lado del corto circuito. El otro lado del corto circuito se conecta al poste (rojo) positivo (+) en BAT1.

El alambre de salto corto se conecta entre el poste (negro) BAT1 negativo (-) y el poste (rojo) BAT2 positivo (+).

El alambre negro sin fusible (del T2 en el control) se conecta al poste (negro) negativo (-) en el BAT2.

El cargador se enchufa en el equipo de conexión rápida localizado en el extremo del equipo del telclado.



CONNEXIONS DE BATTERIE PEL

Le fil rouge (de T1 sur le contrôleur du moteur) connecte à un côté du disjoncteur. L'autre côté du disjoncteur connecte à l'anode (borne positive) - rouge - de BAT1.

Le fil de liaison court connecte entre la cathode BAT1 (négative) - noir - et l'anode BAT2 (positive) - rouge.

Le fil noir sans fusible (de T2 sur le régulateur de charge) connecte à la borne négative (noir) de BAT2.

Le chargeur de batterie branche à la distribution électrique de la prise de courant située sur le bout de la touche à effleurement.

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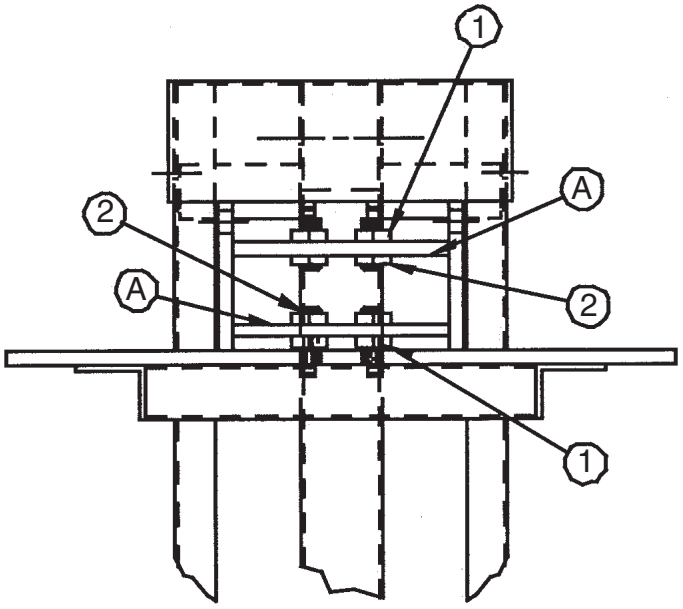
INSTRUCTIONS FOR ADJUSTING THE LIFTING CHAINS TENSION FOR STEEL QUICKLIFT • MODEL PEL-400

READ ALL INSTRUCTIONS BEFORE PROCEEDING!
Only trained and qualified service personnel should work on this equipment!
Lock out all potential energy sources before attempting this installation!

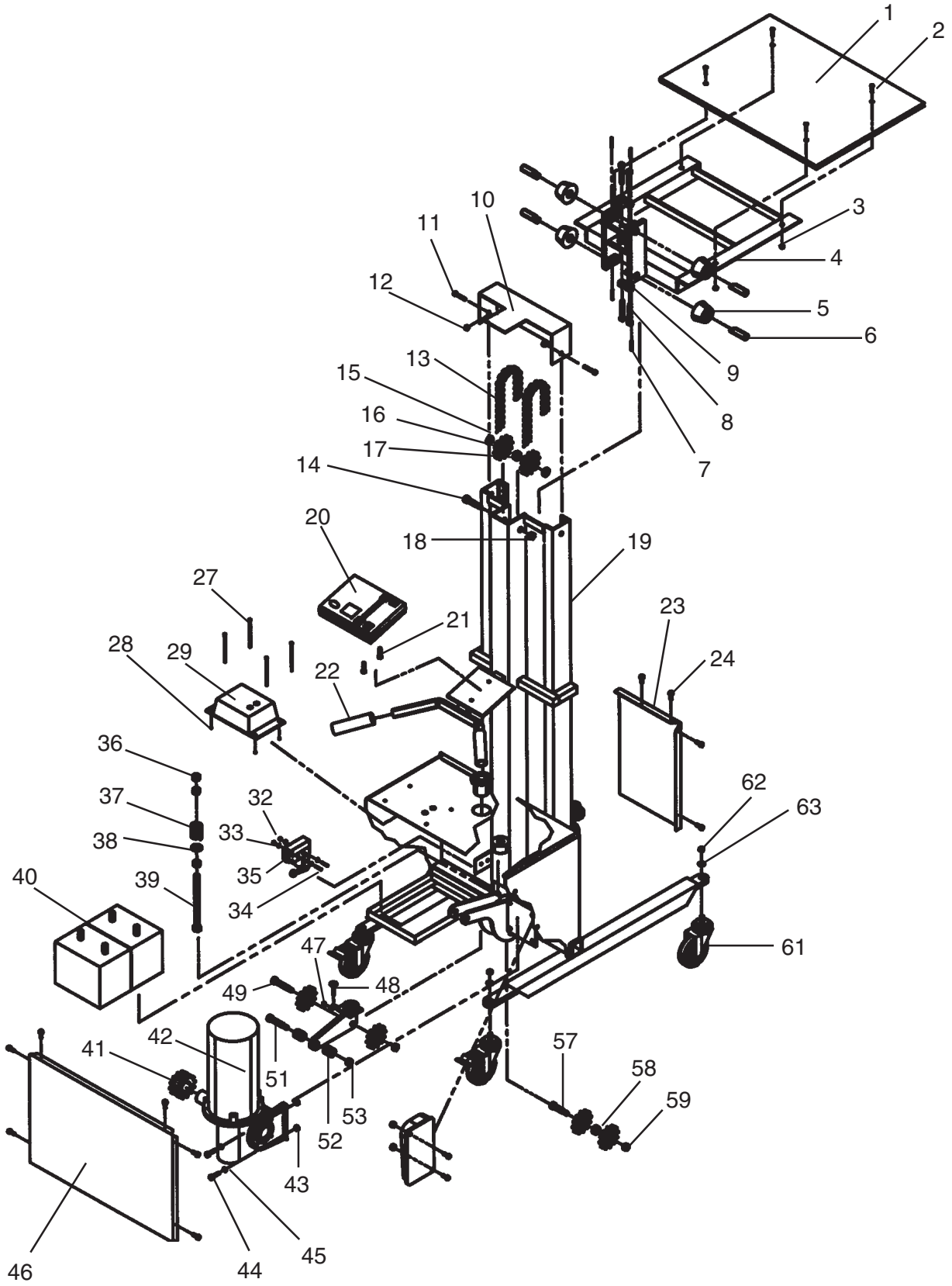
1) Remove any load that is on the machine and run the platform up until it is raised halfway up the mast.
2) Above the platform, at each end of each chain, locate and turn the four holding nuts (closest to the chains; item 1) in a counterclockwise direction. (Use a 3/4" wrench on the nut, and a 1/2" wrench to keep the chain from turning.) Move the nuts as close as possible to the chains ends.
3) Run the platform all the way to the top of the mast until it stops moving.
4) Again using 3/4" and 1/2" wrenches, turn each of the four tensioning nuts (closest to the ends of the chain tensioning bolts; item 2) clockwise until you can only pull the chain 2-1/2" away from the front of the mast at its midheight. Be sure to turn each nut the same by measuring them for equal horizontal slack dimension.
5) Lower the platform to the mast, holding the "Lower" pushbutton for two seconds after the platform hits bottom. If the chains "jump" on the sprockets, tighten the tensioning nuts another 1/2 turn (clockwise) and repeat the test.
6) Raise the platform back up halfway to the top of the mast and turn each of the four holding nuts until they touch against the tensioning brackets (item A), and then tighten each one wrench-tight.



CAUTIONS:
- Take care to maintain equal tension on both of the lifting chains.
- Double-check that all four of the holding nuts have been adequately tightened down before placing the machine back into service.

NOTES:
- The chain's tension, the tension bolts, and the adjustment nuts should all be checked monthly.

PARTS DRAWING FOR STEEL QUICK LIFT
MODEL PEL-400-57 & PEL-400-72



PARTS IDENTIFICATION FOR STEEL QUICK LIFT

MODEL PEL-400-57 & PEL-400-72

ITEM NO.	DESCRIPTION	ENGINEER NO.	QTY
1	Deck, 24"W x 20"L	21-013-064	1
2	Bolt, 10-32 x 1	24213	4
3	Nut, 10-32	37015	4
4	Deck, Steel Frame	21-513-035	1
5	Roller & Bushing	21-527-003	4
6	Pin, Roller	01-112-013	4
7	Spring Pin, 3/16 x 1-1/8	64134	4
8	Bolt, 3/4-10 x 2-1/2	21-145-004	4
9	Nut, Plain 3/4-10	37633	8
10	Top Sprocket Cover	21-024-029	1
11	Bolt, 1/4-20 x 1	11005	2
12	Nylon Lock Nut, 1/4-20	37018	2
13A	Chain, #40 for PEL-400-57	21-042-017	2
13B	Chain, #40 for PEL-400-72	21-042-021	2
14	S. Bolt 1/2 x 3 x 3/8-16	26358	1
15	Spacer, 1/4 thick	21-113-030	2
16	Idler Sprocket	21-042-018	6
17	Spacer, 5/8 thick	21-113-031	1
18	Nylon Lock Nut, 3/8-16	37024	1
19	Frame	n/a	1
20	Touch Pad	21-156-002	1
21	Bolt, 1/4-20 x 1	11005	2
22	Handle Grips, Ergo	15-025-006	2
23	Cover, Front Right-Side	21-024-023	2
24	Screw, Self Tapping 1/2 long	32028	14
*25	Cover, Front Left-Side	21-024-024	1
26	Power Inlet, 115V w/ 1-1/2" Nut	21-034-005	1
27	Bolt, 8-32 x 4	27429	4
28	Nut, 8-32	37012	4
29	Charger	21-034-007	1
*30	Circuit Breaker	21-034-004	1
32	Nut, 8-32	37012	2
33	Washer #8	33072	2
34	Screw, 8-32 x 1-3/4	27412	2
35	Limit Switch	01-022-001	1
36	Nut, 1/2-13 Plain	36110	3
37	Compression Spring	21-146-005	1
38	Washer, 1/2	33012	1
39	Bolt, 1/2-13 x 6	10896	1
40	12 Volt Battery	21-139-002	2
41	Gearbox Sprocket	21-042-019	1
42	Motor, 1 Hp w/ Gearbox	21-641-002	1
43	Nylon-Lock Nut, 3/8-16	37024	4
44	Bolt, 3/8-16 x 1-1/4	11107	4
45	Washer, 3/8 x 3/4	33008	4
46	Cover	21-024-025	1
47	Nut, 1/4-20	36102	1
48	Elevator Bolt, 1/4-20 x 1 1/4	22804	2
49	S. Bolt, 1/2 x 1 3/4 x 3/8-16	26353	1
*50	Nylon-Lock Nut, 3/8-16	37024	1
51	S. Bolt, 1/2 x 2 1/2 x 3/8-16	26356	1
52	Spacer, 3/4 Thick	21-113-033	2
53	Nylon-Lock Nut, 3/8-16	37024	4
54	Motor Controller	21-156-004	1
*55	Bolt, 8-32 x 1	27402	2
*56	Nylon Lock-Nut, 8-32	37012	1
57	S. bolt, 1/2 x 2 1/2 x 3/8 - 16	26356	1
58	Spacer, 9/16 Thick	21-113-032	1
59	Nylon-Lock Nut, 3/8-16	37024	1
60	Swivel Caster w/Brake	16-132-155	2
61	Swivel Casters, No Brake	16-132-156	2
62	Nut, 1/2-13	36110	4
63	Lock Washer, 1/2"	33011	1

***Not Shown in diagram**

WARNING LABEL IDENTIFICATION
For Steel Quick Lift • Model PEL-400-57 & PEL-400-72

MAKE SURE ALL WARNING LABELS ARE IN PLACE!

1

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR WHEN IN USE	MANTENGASE ALEJADO CUANDO SE ESTA OPERANDO	SE TENIR À DISTANCE LORS DU FONCTIONNEMENT

***Product safety signs or labels should be periodically inspected and cleaned by the product users as necessary to maintain good legibility for safe viewing distance ... ANSI 535.4 (10.21)**
Contact manufacturer for replacement labels.

2

Charge unit at least every two weeks or leave plugged in when not in use. Disconnect battery when storing unit without power for more than one month.

Cargue la unidad por lo menos cada dos semanas o enchupelo cuando no en uso. Desconecte la batería al salvar la unidad sin carga por más de un mes.

Charger l'unité au moins deux fois par semaine ou laiser branché lorsque la batterie lorsque l'unité est rangée et ne va pas fonctionner pendant plus d'un mois.

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3

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
DO NOT LOAD beyond rated capacity	NO CARGUE más allá de la capacidad tasada	NE PAS CHARGER au-delà de capacité
DISTRIBUTE LOAD EVENLY	DISTRIBUYA LA CARGA UNIFORMEMENTE	DISTRIBUER la charge régulièrement
SECURE AND LOWER load before moving	ASEGURE Y DESCIENDA la carga antes de mover	BIEN FIXER ET FAIRE DESCENDRE la charge avant de faire un mouvement
KEEP CLEAR when lowering	MANTENGASE ALEJADO cuando descienda	VOUS DEGAGER quand la charge descend
DO NOT sit or ride on cart	NO SE SIENTE o vaya en el carro	NE PAS VOUS ASSEOIR OU VOUS PROMENER sur le chariot
READ OWNERS MANUAL before using or working on this equipment	LEA EL MANUAL DEL PROPIETARIO antes de usar o trabajar en este equipo	LIRE LE GUIDE avant d'utiliser ou de travailler sur cet équipment
SHUT POWER off before working on this equipment	Apage el equipo antes de trabajar en èl	COUPER L'ALIMENTATION avant de faire des travaux sur cet équipement

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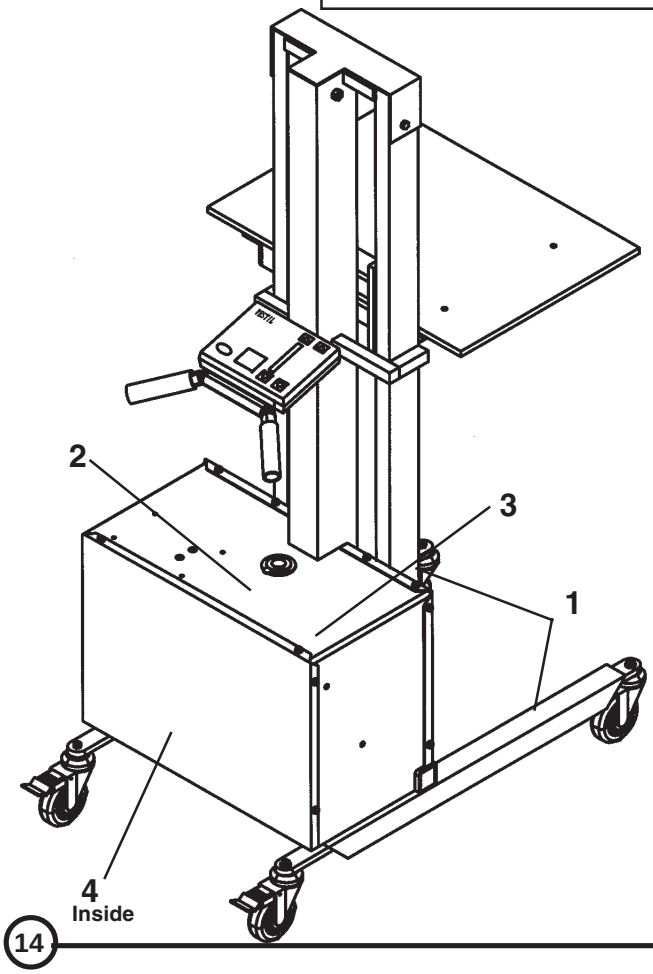

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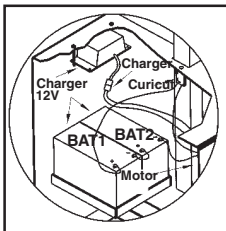

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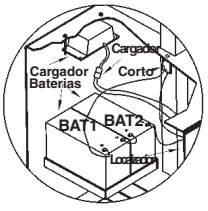

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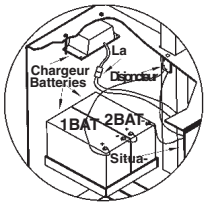

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Le fil de liaison court connecte entre la cathode BAT1 (négative) - noir - et l'anode BAT2 (positive) - rouge.

Le fil noir sans fusible (de T2 sur le régulateur de charge) connecte à la borne négative (noir) de BAT2.

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Angola, Indiana USA
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Revision 1003

LIMITED WARRANTY

ONE YEAR LIMITED WARRANTY. The manufacturer warrants for the original purchaser against defects in materials and workmanship under normal use one year after date of purchase. (Not to exceed 15 months after date of manufacture.) Any part which is determined by the manufacturer to be defective in material or workmanship and returned to the factory, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced at our option. Labor costs for warranty repairs and/or modifications are not covered unless done at manufacturer's facilities. Any modifications performed without written approval of the manufacturer may void warranty. This limited warranty gives purchaser specific legal rights which vary from state to state.

LIMITATION OF LIABILITY. To the extent allowable under applicable law, the manufacturer's liability for consequential and incidental damages is expressly disclaimed.
The manufacturer's liability in any event is limited to, and shall not exceed, the purchase price paid. Misuse or modification may void warranty.

WARRANTY DISCLAIMER. Our company has made a diligent effort to illustrate and describe the products shown accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions.

The provisions of the warranty shall be construed and enforced in accordance with the UNIFORM COMMERCIAL CODE and laws as enacted in the State of Indiana.

DISPOSITION. Our company will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within the Limited Warranty. Warranty claims must be made in writing within said year.

SERVICE RECORD

DATE OF SERVICE:_____/_____/_____

WORK DONE BY:_____

SERVICE PER-
FORMED:_____

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DATE OF SERVICE:_____/_____/_____

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